

What is claimed is:

1. A thin connector adapted to be assembled on a PCB for signal transmission, comprising:
  - an insulative housing being substantially rectangular and having a mating wall and a connecting wall opposite to each other, a top wall at a top, a bottom wall at a bottom, and a pair of side walls between the mating wall and the connecting wall, a first opening being defined longitudinally through the mating wall for accommodating a mating connector, a plurality of passageways being transversely defined through the mating wall and the connecting wall, a pair of fastening portions respectively extending outwardly from the side walls, and each fastening portion defining a fastening room toward a front thereof for receiving a fastening element of a mating connector, an assembling holes being defined in the side walls and communicating with the fastening room;
  - a plurality of conductive terminals received in the passageways, and each conductive terminal including a contact portion, a soldering portion and an interferential portion between the contact portion and the soldering portion;
  - a shell forming a first shielding wall, a second shielding wall, a third shielding wall and a pair of side shielding walls respectively for shielding the mating wall, the bottom wall, the top wall and the fastening portions of the insulative housing, a second opening being defined longitudinally through the first shielding wall for corresponding to the first opening of the insulative housing, a receiving cavities being respectively defined in both sides of the first shielding wall for corresponding to the receiving rooms of the fastening portions; and
  - a metal plate being substantially rectangular and sandwiched between the conductive terminals and the insulative housing, assembling arms upwardly extending from opposite side edges of the metal plate, each assembling arm having a rear tab for locking with the fastening portions

and defining a retaining hole at a bottom edge thereof for locking with the mating connector.

2. The thin connector as claimed in claim 1, wherein a plurality of locking tails rearwardly extends from a rear edge of the metal plate, and wherein a plurality of plug holes is transversely defined through the mating wall and the connecting wall of the insulative housing and below the passageways for locking with the locking tails, thereby retaining the metal plate on the insulative housing.
3. The thin connector as claimed in claim 2, further comprising a grounding arms extend from a rear of the metal plate and adjacent to the assembling arms, and each grounding arm has a soldering tail bended appropriately therefrom for surface soldering on a grounding circuit of the PCB.
4. The thin connector as claimed in claim 3, further comprising a retaining hole defined at a bottom edge of each assembling arm for locking with a fastening element of the mating connector.
5. The thin connector as claimed in claim 4, wherein a plurality of protuberances projects from the rear tabs of the metal plate for interferentially locking with the fastening portions.
6. The thin connector as claimed in claim 5, wherein a plurality of top platform is formed on the top wall and a plurality of bottom platform is formed on the bottom wall for latching with the shell in assembly.
7. The thin connector as claimed in claim 6, wherein legs outwardly extend from the side shielding walls of the shell for surface soldering to the PCB.
8. The thin connector as claimed in claim 7, wherein a plurality of fixing grooves is defined in the mating wall of the insulative housing, and wherein a plurality of fixing tails extends rearwardly from the shell for anchoring the fixing grooves.

9. The thin connector as claimed in claim 1, wherein the fastening portions are integrated with the side walls of the insulative housing, and each fastening portion has a top aligned with the top wall, a bottom aligned with the bottom wall, and a rear aligned with the connecting wall.
10. The thin connector as claimed in claim 8, wherein a plurality of spring tongues is formed on the metal plate for abutting against the mating connector.